

**REMARKS**

By this Supplemental Amendment, claims 130, 144, 198, 201, 204, 207, 210, 213, 218, 224, and 227 have been amended, and claims 230-249 have been added. A first Action on the merits is respectfully requested.

Respectfully submitted,

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Enclosure: Appendix

## **APPENDIX WITH MARKINGS TO SHOW CHANGES MADE**

### **IN THE CLAIMS:**

Kindly replace pending claims 130-229 with the following claims:

130. (Amended) A personal computer configured to operate as a wireless personal communications device in a network including computers, said personal computer being configured to function in a shared operation including at least said personal computer and a second computer connected to said network, said personal computer comprising:

a microchip,

said microchip including a microprocessor, exclusive of a digital signal processor (DSP),

said microchip including a non-volatile memory component,

said microchip including a DSP, and

said microchip including a component which provides a power management function of said personal computer; and

a wireless network connection mechanism configured to connect said personal computer to said network,

said network including an Internet[, and

said wireless network connection mechanism being configured to process a wireless signal that is wave division multiplexed (WDM)].

144. (Amended) The personal computer of claim 130, wherein said wireless network connection mechanism is configured to process a [said] wireless signal that is dense wave division multiplexed (DWDM).

198. (Amended) A personal computer configured to operate as a mobile wireless personal communications device in a network including computers, the personal computer comprising:

a microchip,

said microchip including a microprocessor, exclusive of a digital signal processor (DSP),

said microchip including a non-volatile memory component,

said microchip including a wireless network connection mechanism configured to connect said personal computer to said network,

said network including an Internet,

[said wireless network connection mechanism being configured to process a wireless signal that is wave division multiplexed (WDM),] and

said microchip including a component which provides a power management function of said personal computer.

201. (Amended) A personal computer configured to operate as a mobile wireless personal communications device in a network including computers, the personal computer comprising:

a microchip,

said microchip including a plurality of microprocessors, exclusive of a digital signal processor (DSP),

said microchip including a non-volatile memory component,  
said microchip including an analog communications component, and  
said microchip including a component which provides a power management  
function of said personal computer; and  
a wireless network connection mechanism configured to connect said personal  
computer to said network,  
said network including an Internet[, and  
said wireless network connection mechanism being configured to process a  
wireless signal that is wave division multiplexed (WDM)].

204. (Amended) A personal computer configured to operate as a mobile wireless  
personal communications device in a network including computers, the personal computer  
comprising:

a microchip,  
said microchip including a microprocessor, exclusive of a digital signal  
processor (DSP),  
said microchip including a flash memory component,  
said microchip including a DSP, and  
said microchip including a component which provides a power management  
function of said personal computer; and  
a wireless network connection mechanism configured to connect said personal  
computer to said network,  
said network including an Internet[, and  
said wireless network connection mechanism being configured to process a  
wireless signal that is wave division multiplexed (WDM)].

207. (Amended) A personal computer configured to operate as a mobile wireless personal communications device in a network including computers, the personal computer comprising:

- a microchip,

- said microchip including a microprocessor, exclusive of a digital signal processor (DSP),

- said microchip including a non-volatile memory component,

- said microchip including active configuration of an integrated circuit of said microchip, and

- said microchip including a component which provides a power management function of said personal computer; and

- a wireless network connection mechanism configured to connect said personal computer to said network,

- said network including an Internet[, and

- said wireless network connection mechanism being configured to process a wireless signal that is wave division multiplexed (WDM)].

210. (Amended) A personal computer configured to operate as a mobile wireless personal communications device in a network including computers, the personal computer comprising:

- a microchip,

- said microchip including a microprocessor, exclusive of a digital signal processor (DSP),

- said microchip including a non-volatile memory component,

said microchip including a field-programmable gate array (FPGA), and  
said microchip including a component which provides a power management  
function of said personal computer; and  
a wireless network connection mechanism configured to connect said personal  
computer to said network,  
said network including an Internet[, and  
said wireless network connection mechanism being configured to process a  
wireless signal that is wave division multiplexed (WDM)].

213. (Amended) A personal computer configured to operate as a mobile wireless  
personal communications device in a network including computers, the personal computer  
comprising:

a microchip,  
said microchip including a microprocessor, exclusive of a digital signal  
processor (DSP),  
said microchip including a non-volatile memory component, and  
said microchip including a component which provides a power management  
function of said personal computer; and  
a wireless network connection mechanism configured to connect said personal  
computer to said network,  
said network including an Internet,  
said wireless network connection mechanism including a capability to make a  
wireless connection to said second personal computer through at least one wireless  
link, said  
said wireless connection being made without a network server or router[, and

said wireless network connection mechanism being configured to process a wireless signal that is wave division multiplexed (WDM)].

218. (Amended) A personal computer configured to operate as a mobile wireless personal communications device in a network including computers, the personal computer comprising:

a microchip,

said microchip including a plurality of microprocessors, exclusive of a digital signal processor (DSP),

said microchip including a non-volatile memory component, and

said microchip including a component which provides a power management function of said personal computer; and

a wireless network connection mechanism configured to connect said personal computer to said network,

said network including an Internet[, and

said wireless network connection mechanism being configured to process a wireless signal that is wave division multiplexed (WDM)].

224. (Amended) A personal computer configured to operate as a mobile wireless personal communications device in a network including computers, the personal computer comprising:

a microchip,

said microchip including a microprocessor, exclusive of a digital signal processor (DSP),

said microchip including a non-volatile memory component,

said microchip including a DSP, and  
said microchip including a component which provides a power management function of said personal computer; and  
a wireless network connection mechanism configured to connect said personal computer to said network,  
said network including an Internet[, and  
said wireless network connection mechanism being configured to process a wireless signal that is wave division multiplexed (WDM)].

227. (Amended) A personal computer configured to operate as a mobile wireless personal communications device in a network including computers, the personal computer comprising:

a microchip,  
said microchip including a microprocessor, exclusive of a digital signal processor (DSP),  
said microchip including a non-volatile memory component,  
said microchip including an application-specific integrated circuit (ASIC), and  
said microchip including a component which provides a power management function of said personal computer; and  
a wireless network connection mechanism configured to connect said personal computer to said network,  
said network including an Internet[, and  
said wireless network connection mechanism being configured to process a wireless signal that is wave division multiplexed (WDM)].